

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>		Application Number	10/766,134
		Filing Date	January 27, 2004
		First Named Inventor	Serbedzija, George N.
		Art Unit	Not yet assigned
		Examiner Name	Not yet assigned
Total Number of Pages in This Submission		Attorney Docket Number	018852-000610US

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Signature		Date	6/25/04



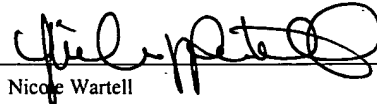
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PATENT
Attorney Docket No.: 018852-000610US

On June 25, 2004

TOWNSEND and TOWNSEND and CREW LLP

By: 
Nicole Wartell

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

George N. Serbedzija

Application No.: 10/766,134

Filed: January 27, 2004

For: METHODS FOR INTRODUCING
HETEROLOGOUS CELLS INTO FISH

Examiner: Not yet assigned

Art Unit: 1645

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. This application is a divisional of and relies upon U.S. Patent Application No. 09/451,489, filed November 30, 1999 (Attorney Docket No. 018852-000600US) for an earlier effective filing date under 35 U.S.C. §120. In accordance with 37 CFR §1.98(d), all of the references have been previously submitted to or cited by the Office in the parent application, and are therefore are not enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references

be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Scott L. Ausenhus
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/766,134		
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		Art Unit	1645		
		Examiner Name	Not yet assigned		
Sheet	1	of	7	Attorney Docket Number	018852-000610US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	A1	US-4,220,858	09-02-1980	Ikeguchi et al.	
	A2	US-4,286,983	09-01-1981	Van Gilse et al.	
	A3	US-4,816,392	03-28-1989	Hokama	
	A4	US-4,964,615	10-23-1990	Mueller et al.	
	A5	US-5,326,692	07-05-1994	Brinkley et al.	
	A6	US-5,491,084	02-13-1996	Chalfie et al.	
	A7	US-5,506,208	04-09-1996	Eyal et al.	
	A8	US-5,510,099	04-23-1996	Short et al.	
	A9	US-5,565,187	10-15-1996	Zikria et al.	
	A10	US-5,573,909	11-12-1996	Singer et al.	
	A11	US-5,658,751	08-19-1997	Yue et al.	
	A12	US-5,672,470	09-30-1997	Hengstenberg et al.	
	A13	US-5,681,703	10-28-1997	Tomei	
	A14	US-5,744,499	04-28-1998	Quash et al.	
	A15	US-5,932,418	08-03-1999	Yager	
	A16	US-5,981,218	11-09-1999	Rio et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	B1	GB	2 080 948	A	02-10-1982			<input type="checkbox"/>
	B2	PCT	WO 96/03034		02-08-1996			<input type="checkbox"/>
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NON PATENT LITERATURE DOCUMENTS			
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	C1	Amsterdam et al., "Requirements for green fluorescent protein detection in transgenic zebrafish embryos", <u>Gene</u> , 173: 99-103 (1996).	
	C2	Armant et al., "Exposure of Embryonic Cells to Alcohol: Contrasting Effects During Preimplantation and Postimplantation Development", <u>Seminars in Perinatology</u> , 20(2): 127-139 (April 1996).	
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	C4	Baumann et al., "Bipartite Axiation Follows Incomplete Epiboly in Zebrafish Embryos Treated With Chemical Teratogens", <u>The Journal of Experimental Zoology</u> , 230: 363-376 (1984).	
	C5	Bechter et al., "Teratogenicity of retinoids (retinoids): comparison of the whole embryo culture system with the in vivo mouse model and the limb bud cell culture assay", <u>Teratol.</u> 44: 29A, # P33 (1991).	
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	C23	Driever et al., "Zebrafish: genetic tools for studying vertebrate development," <u>TIG</u> , 10(5):152-159 (1994).	
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	C25	Dumont et al., "Vascularization of the Mouse Embryo: A Study of <i>flk-1</i> , <i>tek</i> , <i>tie</i> , and Vascular Endothelial Growth Factor Expression During Development", <u>Development Dynamics</u> , 203: 80-92 (1995).	
	C26	Eisses, "Teratogenicity and Toxicity of Ethylene Glycol Monomethyl Ether (2-Methoxyethanol) in <i>Drosophila melanogaster</i> : Involvement of Alcohol Dehydrogenase Activity", <u>Teratog. Carcinog. Mutagen.</u> , 9: 315-325 (1989).	
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	C29	Feucht et al., "VEGF Induces Cardiovascular Malformation and Embryonic Lethality", <u>Am. J. Pathology</u> , 151(5):1407-1416 (November 1997).	
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	C31	Fort et al., "Phase III Interlaboratory Study of Fetax, Part 2: Interlaboratory Validation of an Exogenous Metabolic Activation System for Frog Embryo Teratogenesis Assay-Xenopus (Fetax)", <u>Drug and Chem. Toxicol.</u> , 21(1): 1-14 (1998).	
	C32	Fouquet et al., "Vessel Patterning in the Embryo of the Zebrafish: Guidance by Notochord", <u>Developmental Biology</u> , 183: 37-48 (1997).	
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	C34	Gavrieli et al., "Identification of Programmed Cell Death In Situ via Specific Labeling of Nuclear DNA Fragmentation", <u>J. Cell Biol.</u> , 119(3): 493-501 (November 1992).	
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	C46	Kallman et al. "Genetics of Tissue Transplantation in Isolated Platyfish Populations", <u>Copeia</u> , 1964, pp. 512-522.	

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	C47	Kerbel, "A cancer therapy resistant to resistance", <u>Nature</u> , 390: 335-336 (November 27, 1997).	
	C48	Kerr et al., "Apoptosis: A Basic Biological Phenomenon With Wide-Ranging Implications in Tissue Kinetics", <u>Br. J. Cancer</u> , 26: 239-257 (1972).	
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	C51	Law et al., "Hepatotoxicity of the drinking water disinfection by-product, dichloroacetic acid, in the medaka small fish model", <u>Toxicol. Letters</u> , 94: 19-27 (1998).	
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	C60	Muller et al., "Effect of Concentration on the Cytotoxic Mechanism of Doxorubicin-Apoptosis and Oxidative DNA Damage", <u>Biochem. Biophys. Res. Comm.</u> , 230(2): 254-257 (1997).	
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	C63	Ozato et al., "Production of transgenic fish: introduction and expression of chicken -crystallin gene in medaka embryos," <u>Cell Differentiation</u> , 19:237-244 (1986).	
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	C65	Rivard et al., "Age-Dependent Impairment of Angiogenesis", <u>Circulation</u> , 99: 111-120 (1999).	
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	C75	Singer, "Sensitive Fluorescent Stains for Detecting Nucleic Acids in Gels and Solutions", <u>Biotechnol. Intl.</u> , 1: 267-276 (1997).	
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	C78	Steller, "Mechanisms and Genes of Cellular Suicide", <u>Science</u> , 267: 1445-1449 (March 10, 1995).	

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/766,134	
			Filing Date	01-27-2004	
			First Named Inventor	Serbedzija, George N.	
			Art Unit	1645.	
			Examiner Name	Not yet assigned	
Sheet	7	of	7	Attorney Docket Number	018852-000610US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C79	Stringer et al., "Rapid Measurement of Toxicity Using Electrochromic Dyes and Frog Embryos", <u>Bull. Environ. Contam. Toxicol.</u> , 51: 557-563 (1993).	
	C80	Thompson, C.B., "Apoptosis in the Pathogenesis and Treatment of Disease", <u>Science</u> , 267: 1456-1462 (March 10, 1995).	
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	C84	Van Leeuwen et al., "Fish Embryos as Teratogenicity Screens: A Comparison of Embryotoxicity between Fish and Birds", <u>Ecotoxicol. Environ. Safety</u> , 20: 42-52 (1990).	
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	C86	Westerfield, <u>The Zebrafish Book: A Guide for the Laboratory Use of Zebrafish (<i>Danio rerio</i>)</u> , 3d edition, (1993).	
	C87	Wylie, Zebrafish Issue, Title page and Table of Contents, <i>i-ii</i> , <u>Development</u> , 123: 1-481 (1996).	
	C88	Wolff et al., "Dexamethasone Increases Hepatotoxicity of MTX in Children with Brain Tumors," <u>Anticancer Res.</u> , 18: 2895-2900 (1998).	
	C89	Zetter, "Angiogenesis and Tumor Metastasis", <u>Annual Rev. Med.</u> , 49: 407-424 (1998).	

Examiner Signature		Date Considered	
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